



CAIT

Center for Advanced Infrastructure & Transportation
Rutgers, The State University of New Jersey

NJDOT Bureau of Research
QUARTERLY PROGRESS REPORT

Project Title:	Stormwater Management Rule Implementation Process		
RFP NUMBER: NJDOT Project # 2004-022	NJDOT RESEARCH PROJECT MANAGER: Lad Szalaj		
TASK ORDER NUMBER: TO 162 / RU 4-29305	PRINCIPAL INVESTIGATOR: Kenneth Lee		
Project Starting Date: 1/1/2005 Original Project Ending Date: 12/31/2005 Modified Completion Date:	Period Covered: 3 rd Quarter 2005		

Task	Fixed Budget	% of Total	% of Task this quarter	% of Task to date	% of Total Complete
Task Mobilization	\$ 21,000	8.54%	100%	100%	8.84
Task 1 Lit search/ project work plan	\$ 14,923	6.07%	0	0	0
Task 2 Tech mem; Kick off mtg.	\$ 12,210	4.96%	0	0	0
Task 3 tech mem doc concerns	\$ 11,610	4.72%	0	0	0
Task 4 SW BMP table	\$ 15,810	6.43%	0	0	0
Task 5 Reg Break down	\$ 17,310	7.04%	0	0	0
Task 6 Tech mem/case studies	\$ 21,510	8.74%	0	0	0
Task 7 SW decision matrix SWD	\$ 24,560	9.98%	0	0	0
Task 8 Tech Mem draft SWED for DOT	\$ 20,260	8.23%	0	0	0
Task 9 Working version of SWED/ manuals	\$ 29,910	12.16%	0	0	0
Task 10 Presentation	\$ 19,710	8.01%	0	0	0
Task 11 Final Report	\$ 21,760	8.84%	0	0	0
Task 12 Training	\$ 15,460	6.28%	0	0	0
TOTAL	\$246,035	100%			8.84

Project Objectives:

The objectives of this study are to:

Develop an electronic decision process to assist planners, designers and maintenance staff to

- Determine applicable stormwater rules.
- Identify the appropriate treatment train of non-structural and structural stormwater strategies and measures including manufactured treatment devices to comply with the Stormwater Rules
- Consider treatment capacity, footprint (Right of Way requirements), cost, frequency of maintenance and operating cost.

Project Abstract:

The NJDEP implemented the Stormwater Management Rules N.J.A.C. 7:8 in February 2004 in order to protect the waters of the State from adverse impacts of stormwater runoff. The regulations require projects that disturb one or more acres of land or create at least 0.25 acres of impervious surface to comply with stringent stormwater management standards. These regulations are general in nature, confusing, at times appear to be contradictory, and are difficult to implement within a transportation project. The Stormwater Best Management Practices (BMP) Manual developed by the NJDEP provides examples of techniques and various methods to meet the standards, however it requires the designer to be aware of all the applicable NJDEP regulations and select the appropriate stormwater management technique.

1. Progress this quarter by task:

DEPARTMENT OF CIVIL AND ENVIRONMENTAL ENGINEERING
623 BOWSER RD. PISCATAWAY NJ 08854-8014
TEL: 732-445-0579 FAX: 732-445-0577



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The contract was put in place on September 1, 2005. Because of delays in DOT authorization, a 9-month extension will be applied for. The project was initiated by bringing on Dr. Joseph Stencel with Rutgers University and contracting with Gannett Fleming and Mr. Joseph Skupien. Literature search has been on-going with student input.

2. Proposed activities for next quarter by task:

During the first official quarter the literature search will be completed (Task 1). DOT will completed having a technical panel set up for review of the project progress. Rutgers will meet with Gannett Fleming and Mr. Skupien to scope out their parts in the project. The first meeting with DOT will be held on September 22, with monthly meetings to follow thereafter (Task 2). Interviews required by Task 3 will be initiated. Task 4 on BMP techniques and Task 5 Regulatory Breakdown will be initiated.

3. List of deliverables provided in this quarter by task (product date):

A report on the literature search results will be produced for the October meeting. The October and November DOT meetings will provide details on where the project is in relationship to Task 2 through 5.

4. Progress on Implementation and Training Activities:

Training activities are due at the end of the project.

5. Problems/Proposed Solutions:

There are no problems other than having a 9 month delayed startup. An extension must be requested.

Total Project Budget	\$246,035
Modified Contract Amount:	
Total Project Expenditure to date	21,000
% of Total Project Budget Expended	8.84 %

* These are approximate expended amounts for the project; these estimates are for reference only and should not be used for official accounting purposes. For a more accurate project accounting please review the quarterly invoice for this project.